Frequency of APC and RASSFIA genes promoter methylation in patients of lung cancer risky group and in healthy donors

Ciono							
Analyzed			exDNA		Cell-Surface-	Cell-Surface-Bound exDNA	
groups of	Gene	Year	in blood	Eluted from Erythrocytes	rythrocytes	Eluted from Leukocytes	cocytes
patients			piasilla	PBS/EDTA	Trypsin	PBS/EDTA	Trypsin
		1999	12.51%	41.7%	37.53%	20.85%	16.68%
Lung cancer	APC	2000	16.68%	37.53%	21.19%	12.51%	0
risk group,		1999	16.68%	50.04%	41.7%	25.02%	16.68%
N=24	RASSFIA	2000	%58.02	41.7%	21.19%	20.85%	8.34%
	B 1999-2	003 – lung	sarcoma wa	s found in 62.59	% patients from r	B 1999-2003 – lung sarcoma was found in 62.5% patients from risk group. Furthermore, all	nore, all
		patients	with high lev	rels of promoter	patients with high levels of promoter methylation were in that group	re in that group	
Healthy		1999	0	4.17%	0	4.17%	0
donors,	APC	2000	4.17%	0	0	0	0
N=21		1999	0	0	0	0	0
	RASSFIA	2000	0	0	0	0	0

TABLE 1

Frequency of c-myc and c-erbB2 expression in patients with breast cancer (N=32)

	Plasma	Cell-Surface-E	Bound DNA
Gene	DNA	Erythrocytes	Leukocytes
c-myc	0	9%	9%
c-erbB2	0	9%	9%

TABLE 2

Frequency of CK19 and CEA genes expression in patients of colon cancer risky group

and in healthy donors

Analyzed		Plasma	Cell-Surface-	Bound DNA
patients	Gene	DNA	Erythrocytes	Leukocytes
	CK19	26.31%	60.53%	52.63%
Risky group,				
N=38	CEA	23.68%	57.89%	47.37%
	CK19	15%	20%	15%
Control group, N=20	CEA	20%	15%	15%

TABLE 3

Quantitative analysis of fetal and total extra-cellular DNA levels in normal pregnancies and pregnancies with preeclampsia

Checkiin	Pregnancies	Source	I eviale of Diacma DNA	Levels of cell surface bounded DNA	ace bounded DNA
groups	with male fetus	of DNA	(genome equivalent per	(genome equivalent per ml maternal blood)	er ml maternal blood)
			ml of maternal blood)	Erythrocytes	Leukocytes
Control		Fetal	308.5* (0-1537)	462 (0-2396)	349 (0-1876)
(N=48)	45	Total**	22342.8 (400-226453)	30352.5 (572-34269.7)	24676 (409-27887.9)
Pregnancies with	Č	Fetal	805.3 (0-3864.8)	1046.5 (0-5468.8)	887.76 (0-4567.9)
pre-eclampsia (N=24)	70	Total	63113.3 (1224-455545.8)	97771.5 (1843.4-694989)	80976.78 (1456-60435)
Pregnancies	(Fetal	3028.65 (347-6995.4)	4481.44 (453-9648.96)	3564 (407-7869.7)
with severe pre- eclampsia	×	Total	217786 (1324-744545)	328534.5 (1934.3-1100592)	287654.8 (1675-978657.7)
(N=8)					

TABLE 4

^{*} average value ** both maternal and fetal extracellular DNA